

FIGURE 1

09/69727, 091801

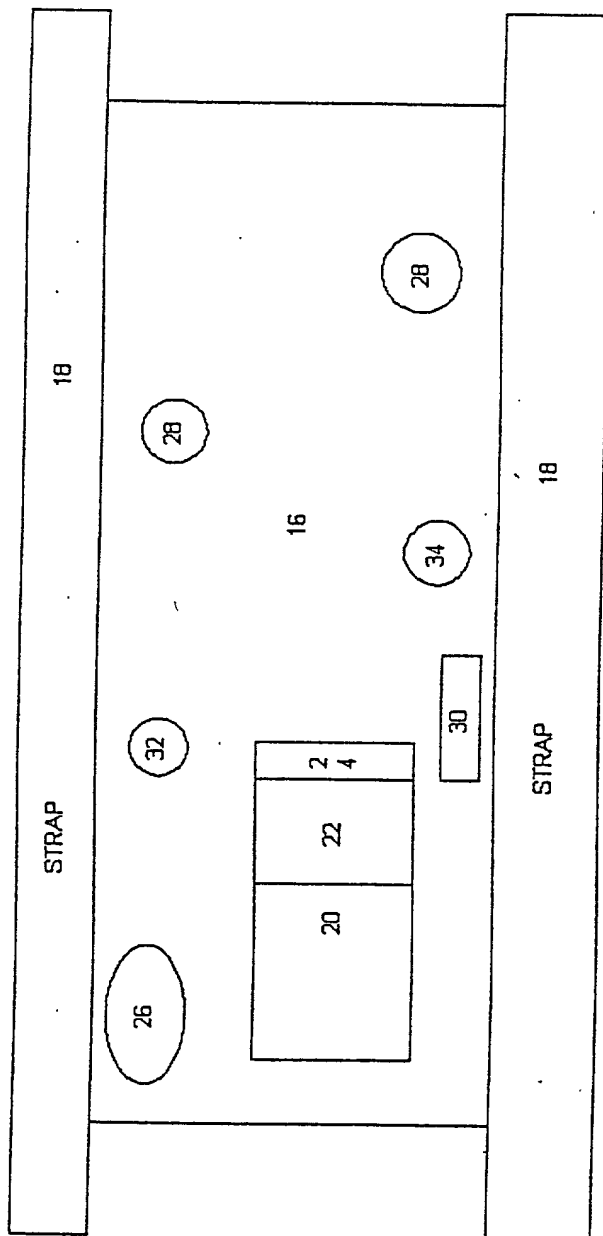


FIGURE 2

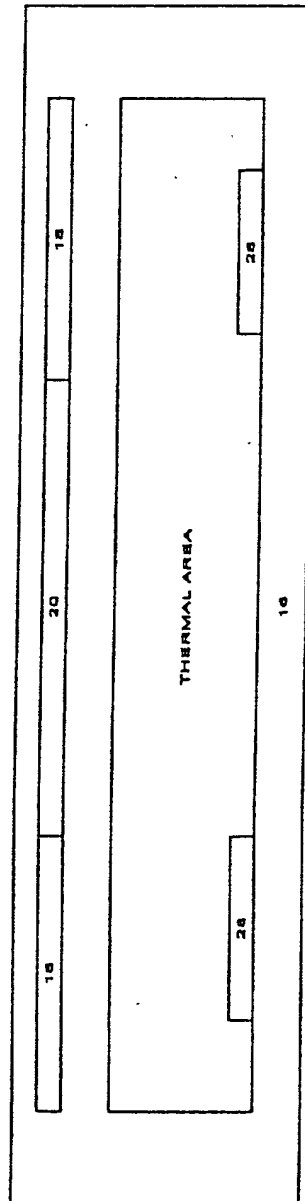


FIGURE 3

4 of 31

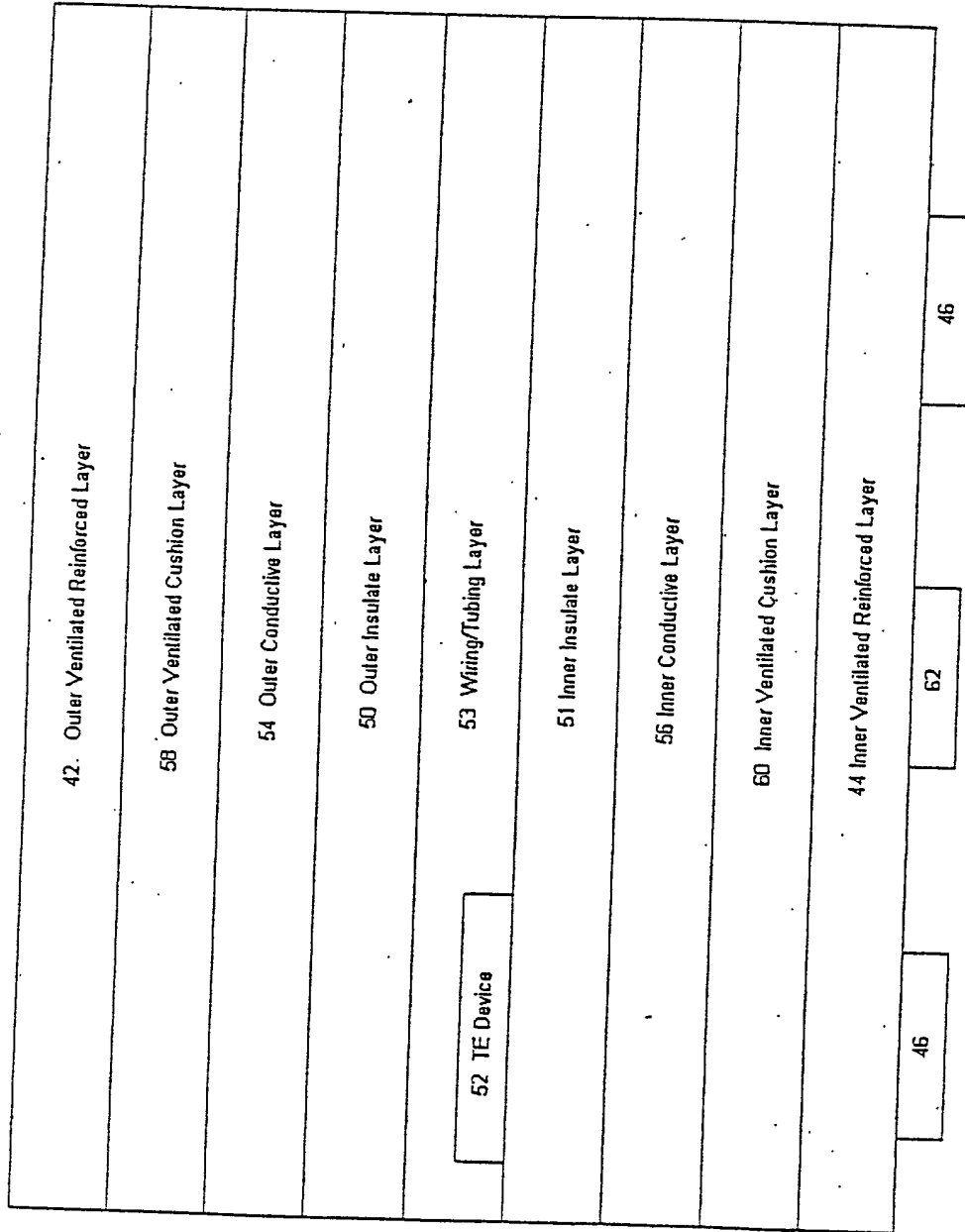


FIGURE 4A

| | | |
|----|-----------------------------------|----|
| 42 | Outer Ventilated Reinforced Layer | |
| 58 | Outer Ventilated Cushion Layer | |
| 64 | Outer Conductive Layer | |
| 60 | Outer Insulate Layer | |
| 53 | Wiring/Tubing Layer | |
| 51 | Inner Insulate Layer | |
| 56 | Inner Conductive Layer | |
| 60 | Inner Ventilated Cushion Layer | |
| 44 | Inner Ventilated Reinforced Layer | |
| 52 | TE Device | 48 |

FIGURE 4B

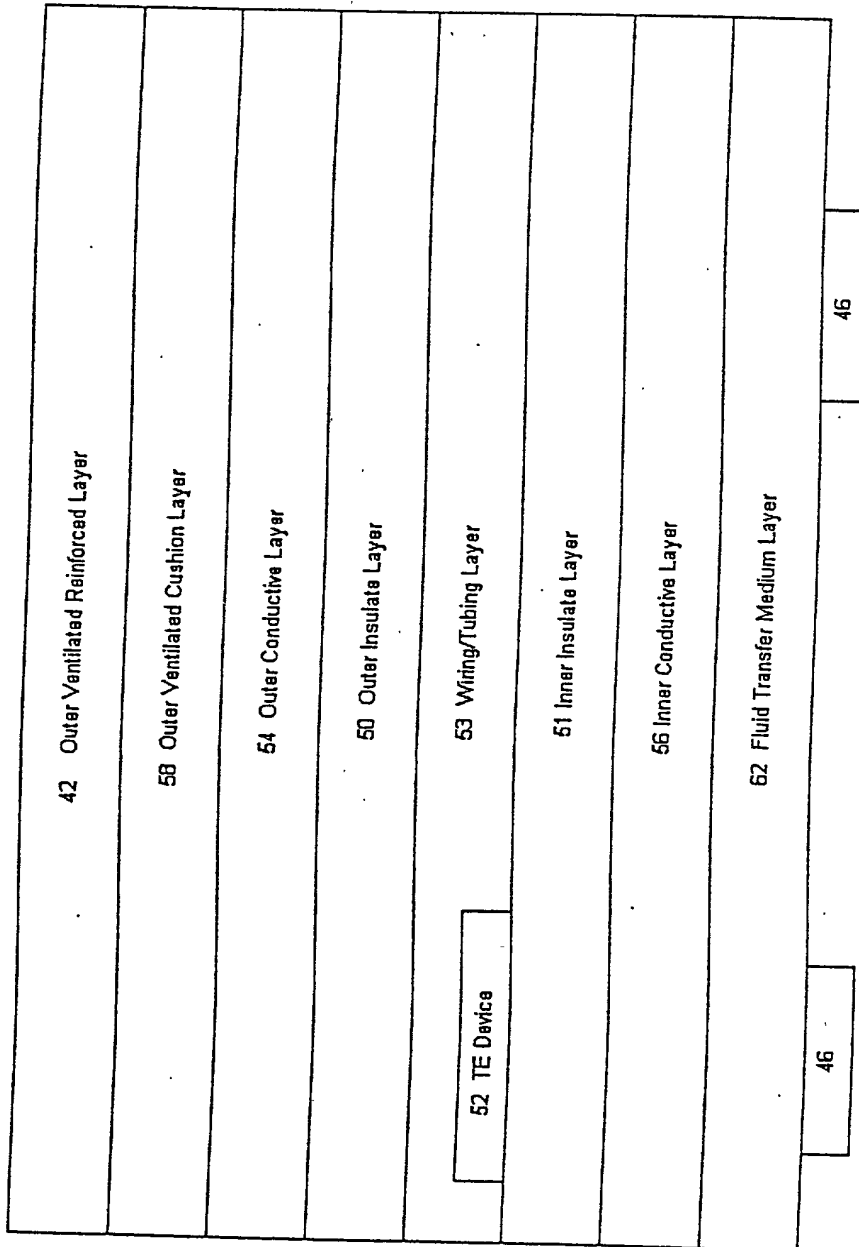


FIGURE 4C

| | | | |
|--------------|---|----|----|
| 42 | Outer Ventilated Reinforced Layer | | |
| 58 | Outer Ventilated Cushion Layer | | |
| 54 | Outer Conductive Layer | | |
| 50 | Outer Insulate Layer | | |
| 66 | Outer Pressure Pouch/ Bladder Layer | | |
| 52 TE Device | 53 Wring/Tubing Layer | | |
| | 67 Inner Pressure Pouch/ Bladder Layer | | |
| | 51 Inner Insulate Layer | | |
| | 56 Inner Conductive Layer | | |
| | 60 Inner Ventilated Cushion Layer | | |
| | 44 Inner Ventilated Reinforced Layer | | |
| 46 | | 62 | 46 |

FIGURE 4D

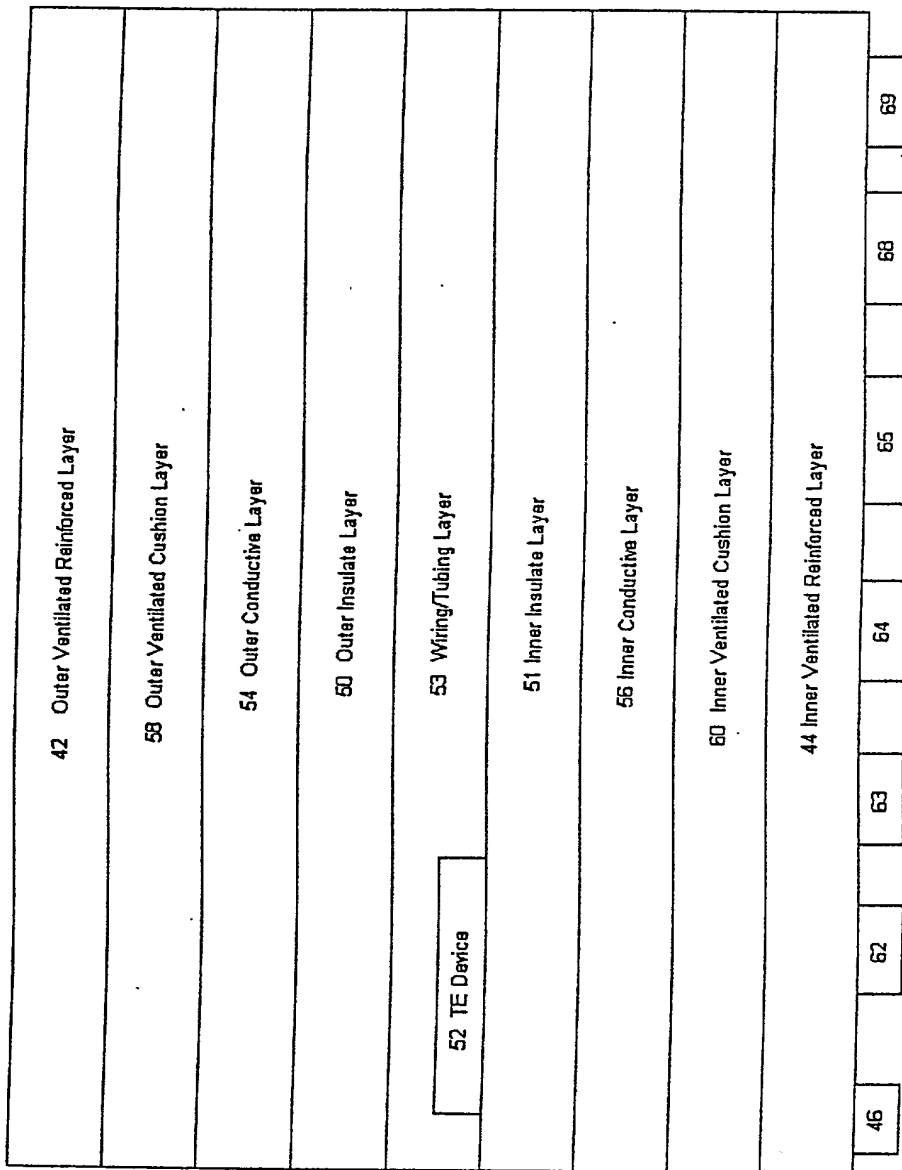


FIGURE 4E

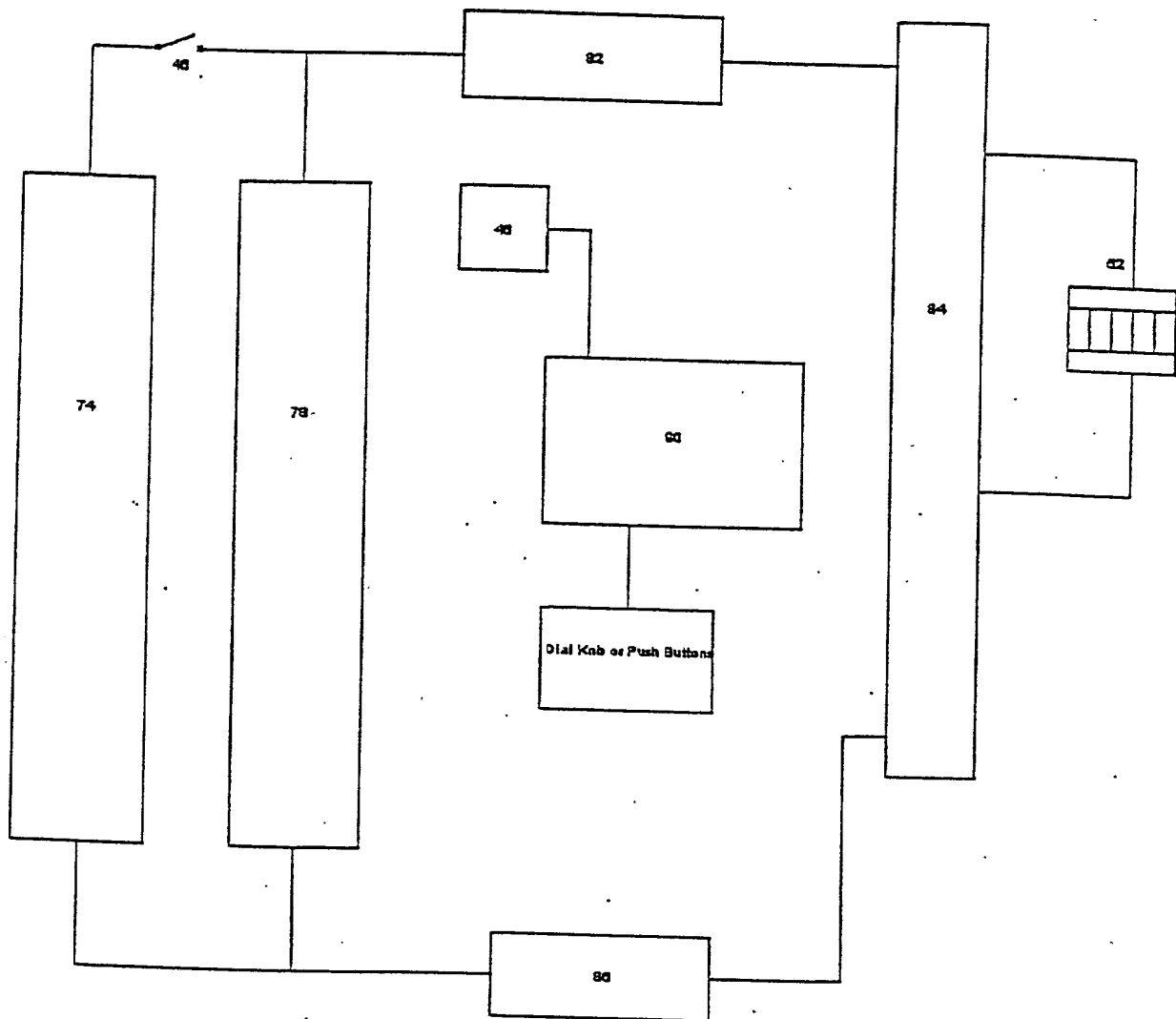


FIGURE 3



FIGURE 8

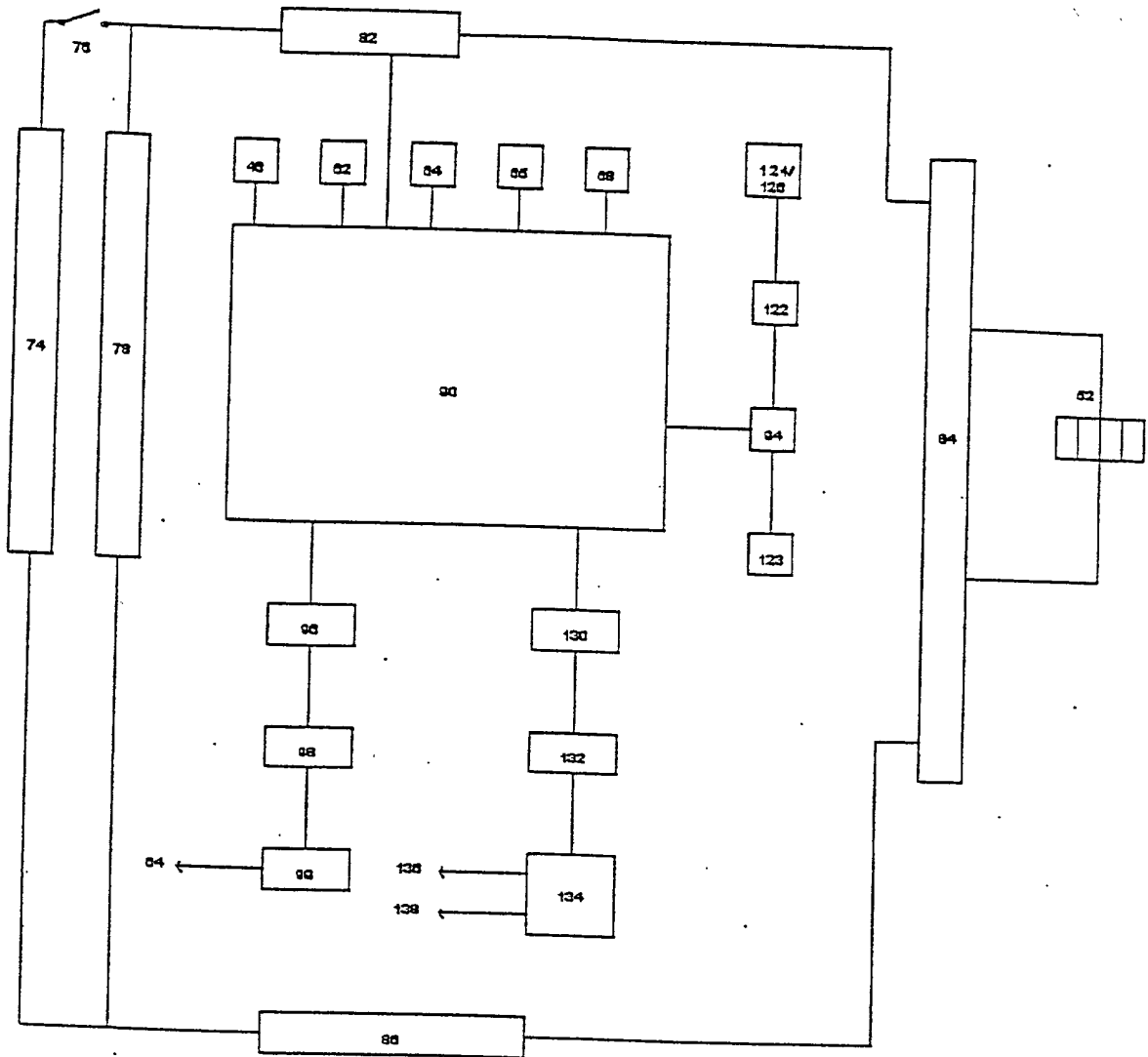


FIGURE 7

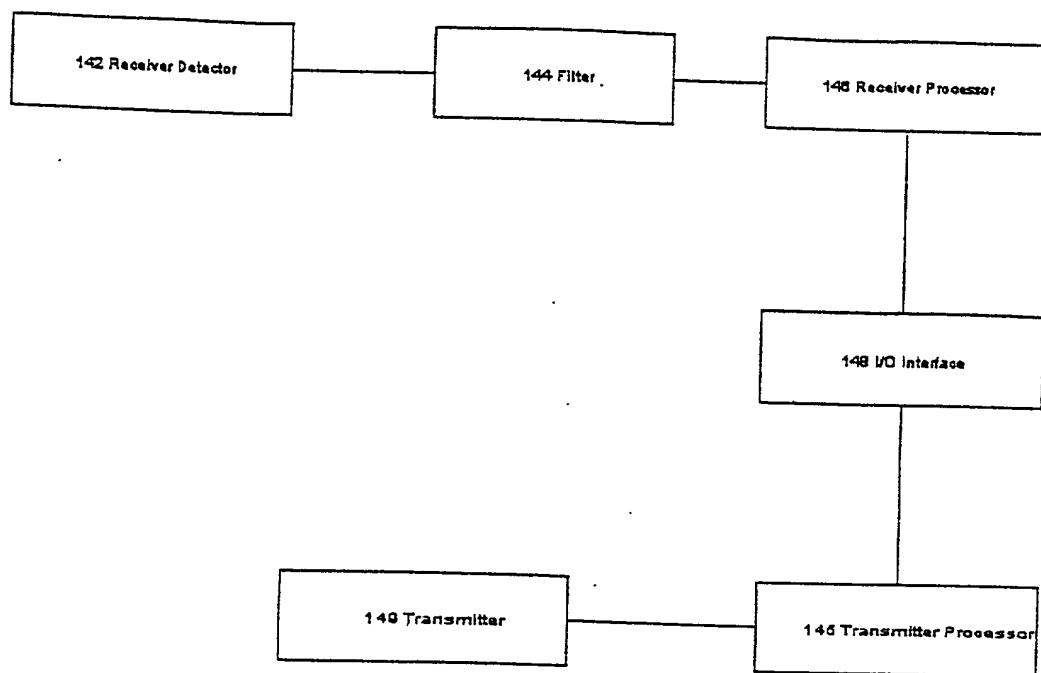


FIGURE 8

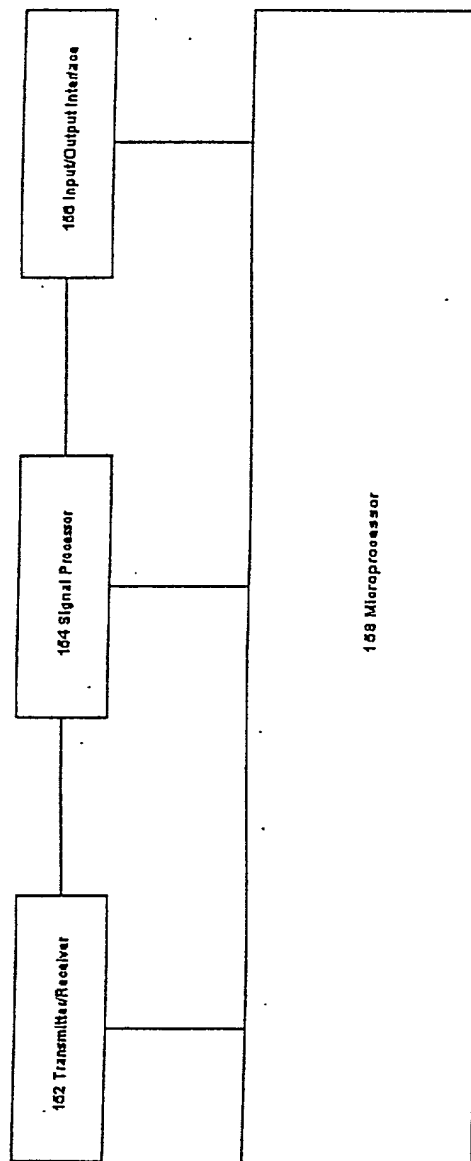


FIGURE 9

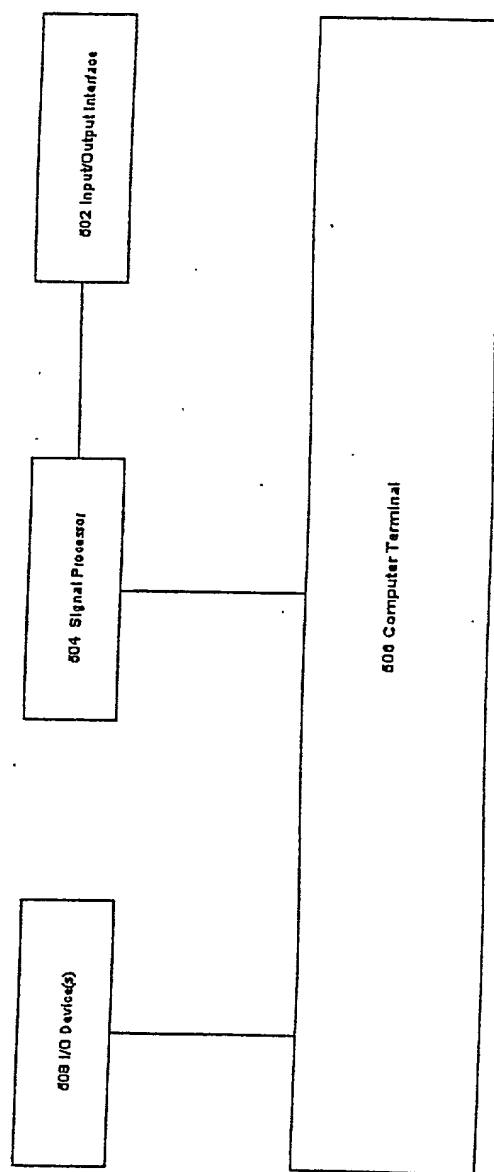


FIGURE 10

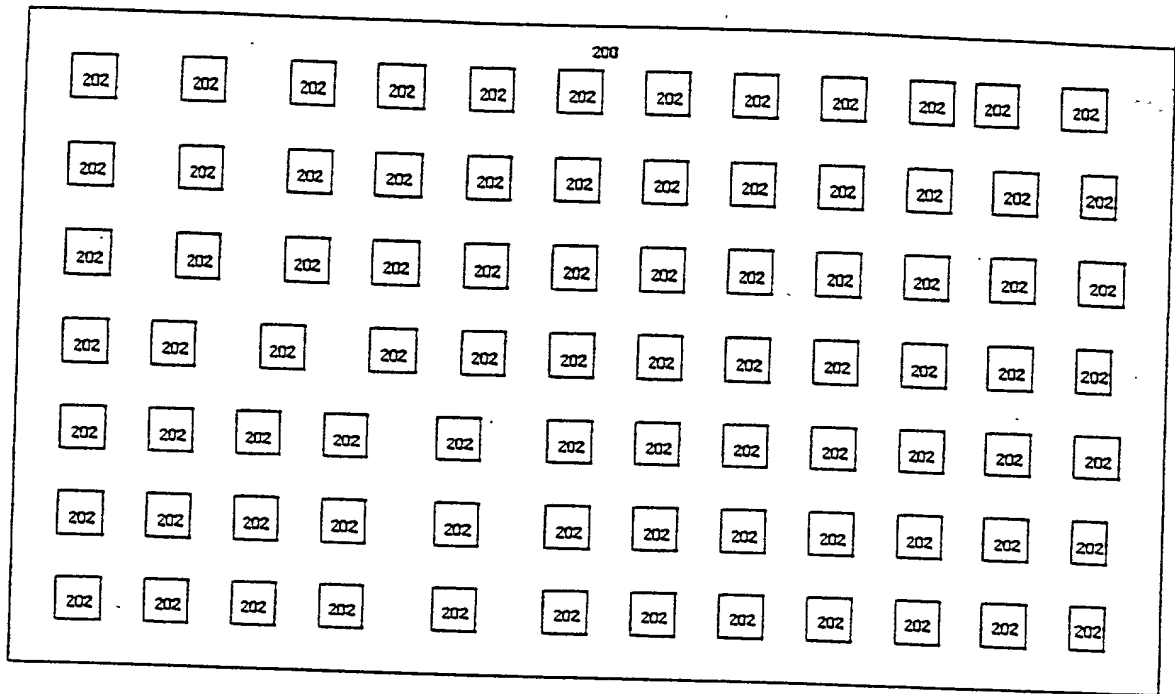
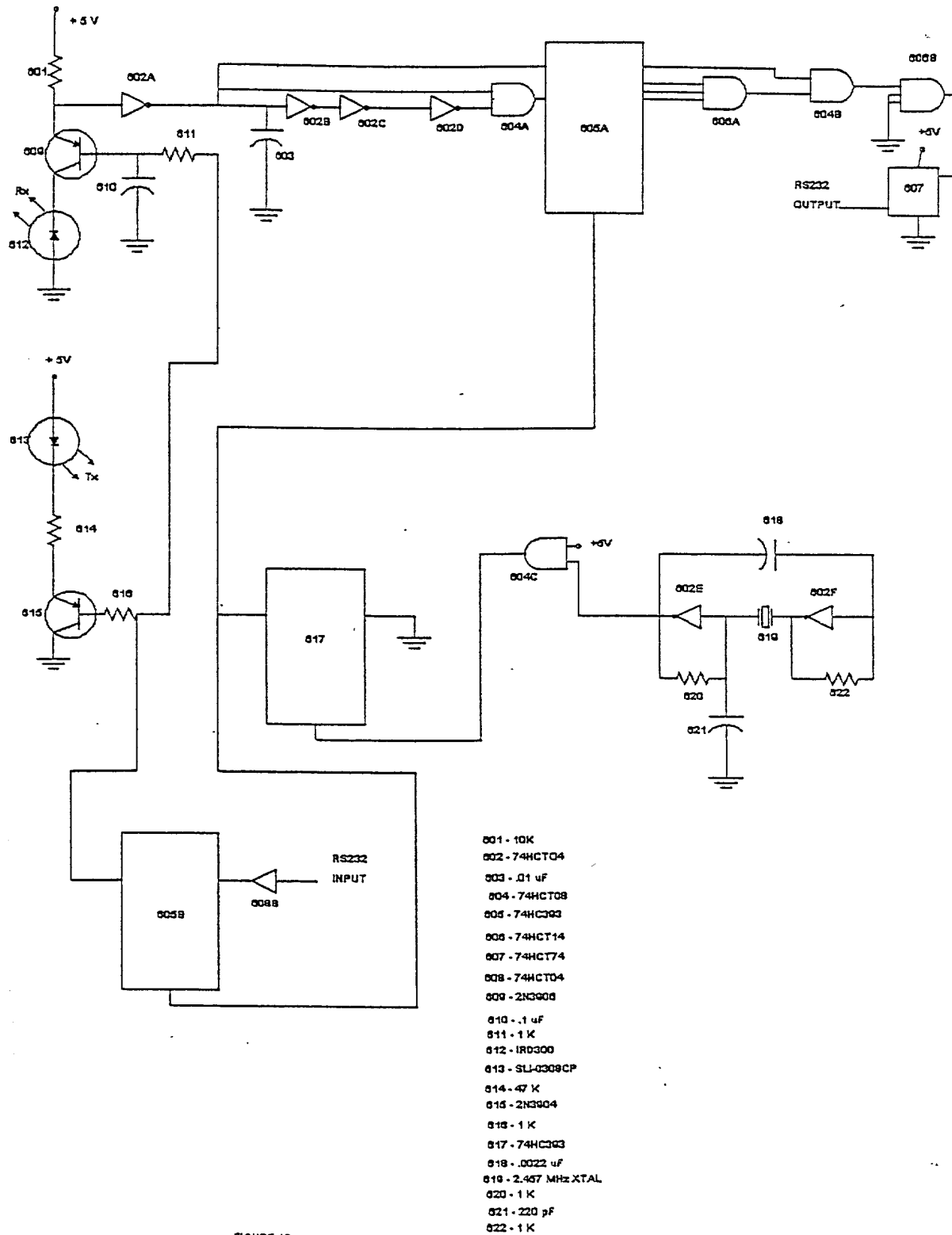


FIGURE 11



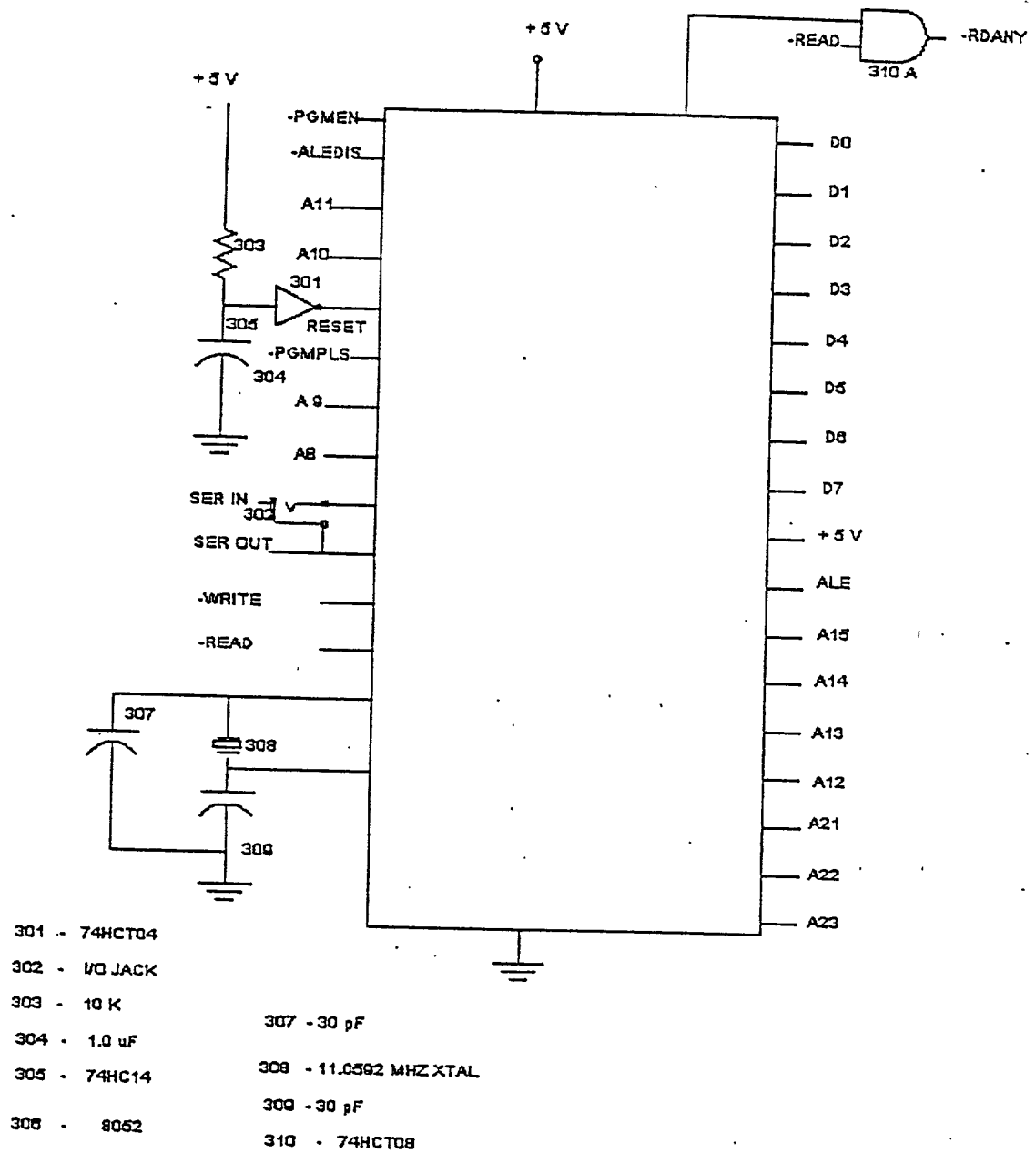


FIGURE 13

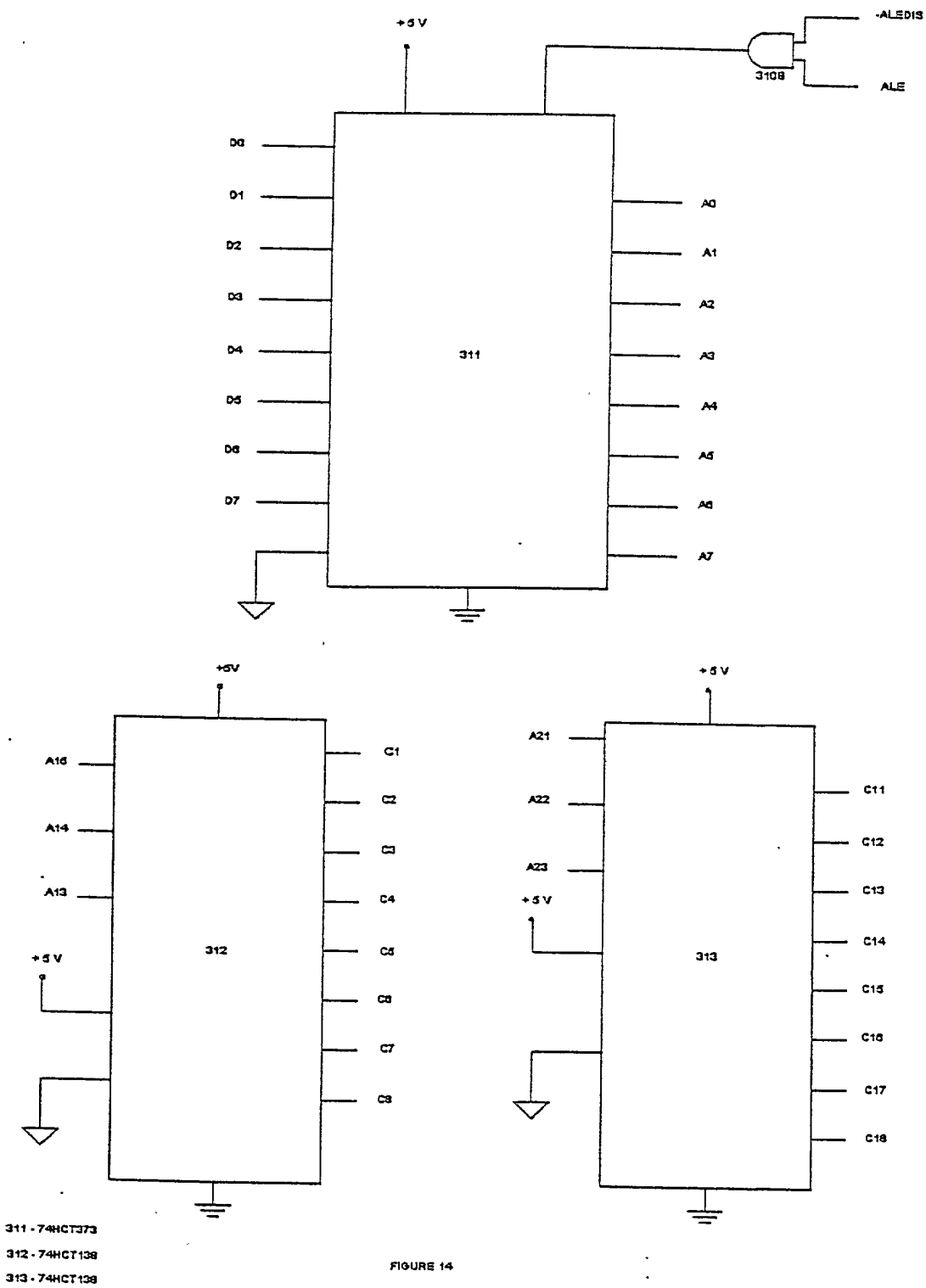
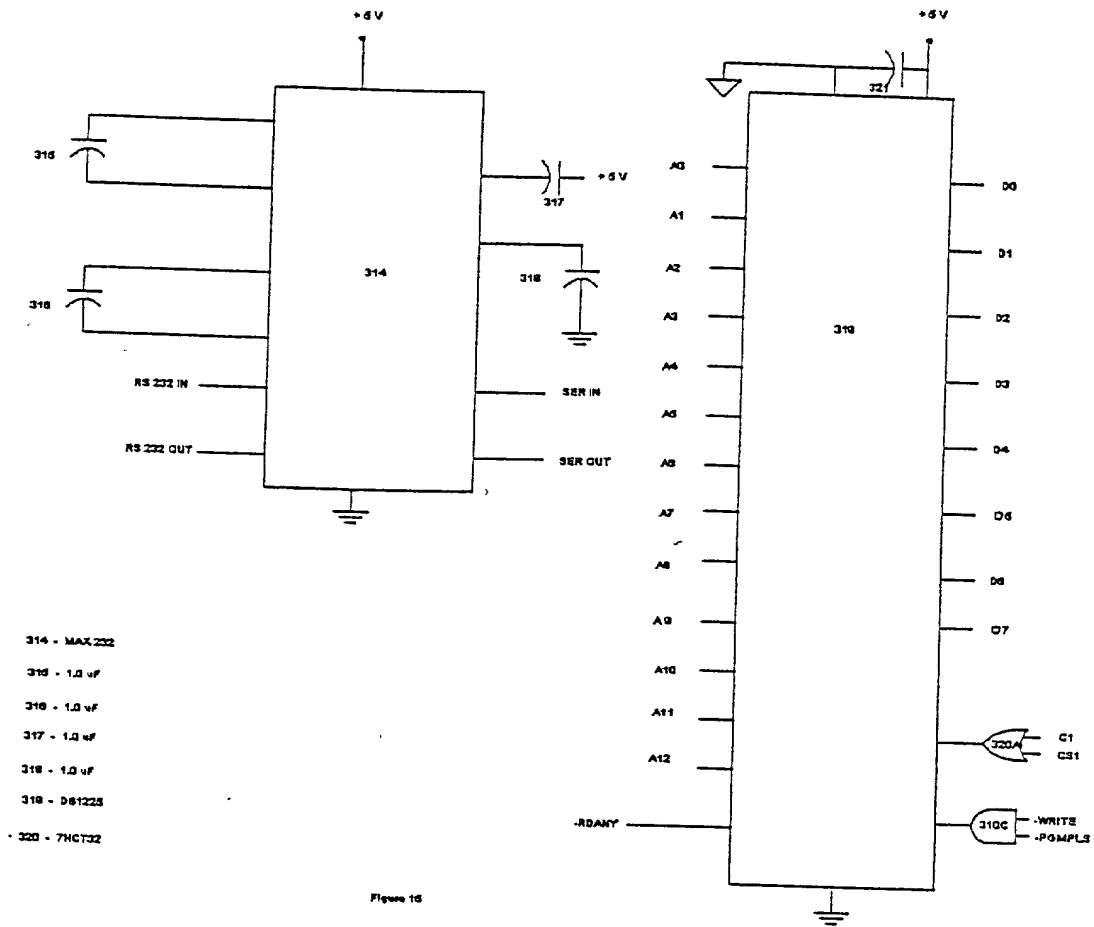


FIGURE 14



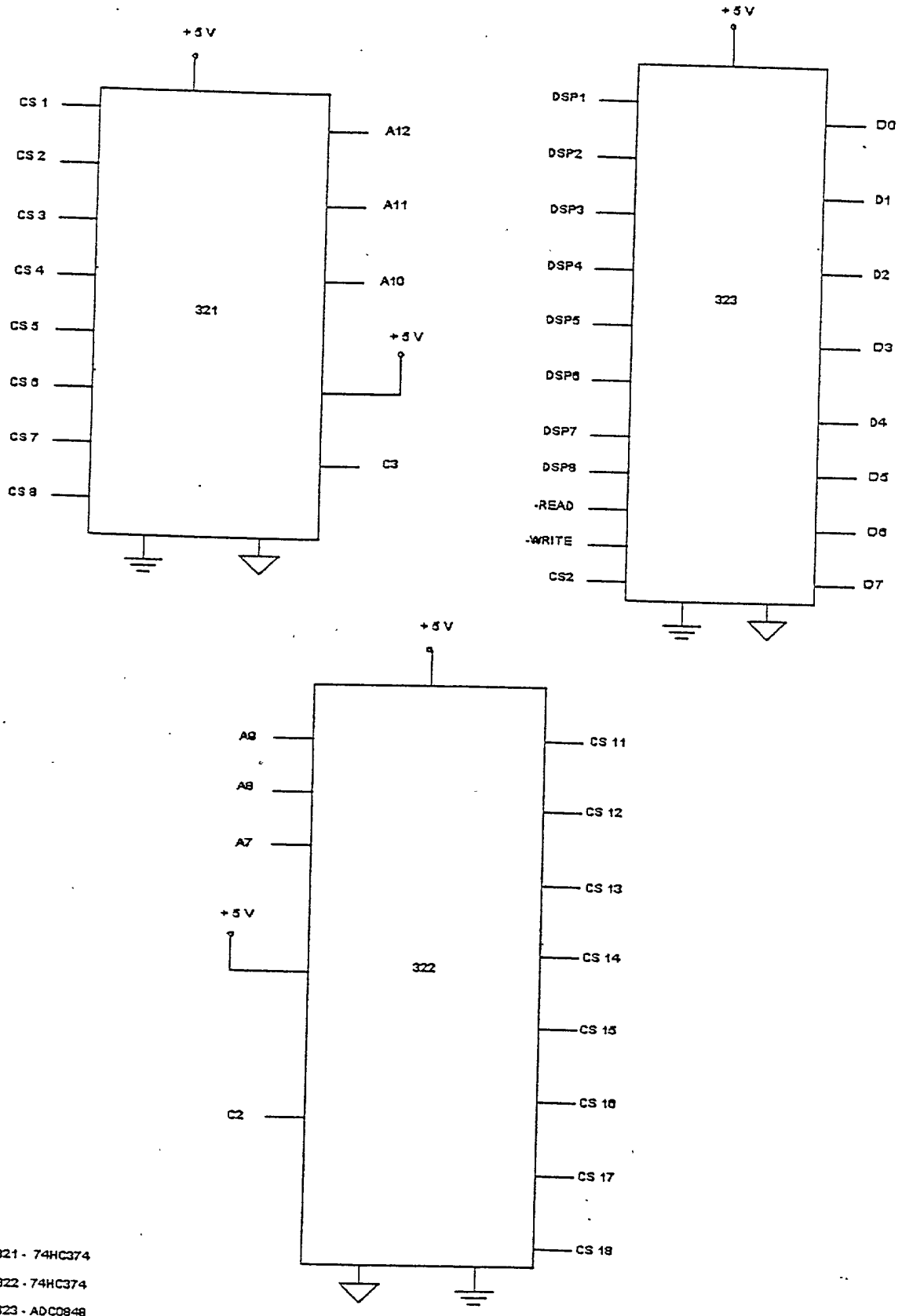
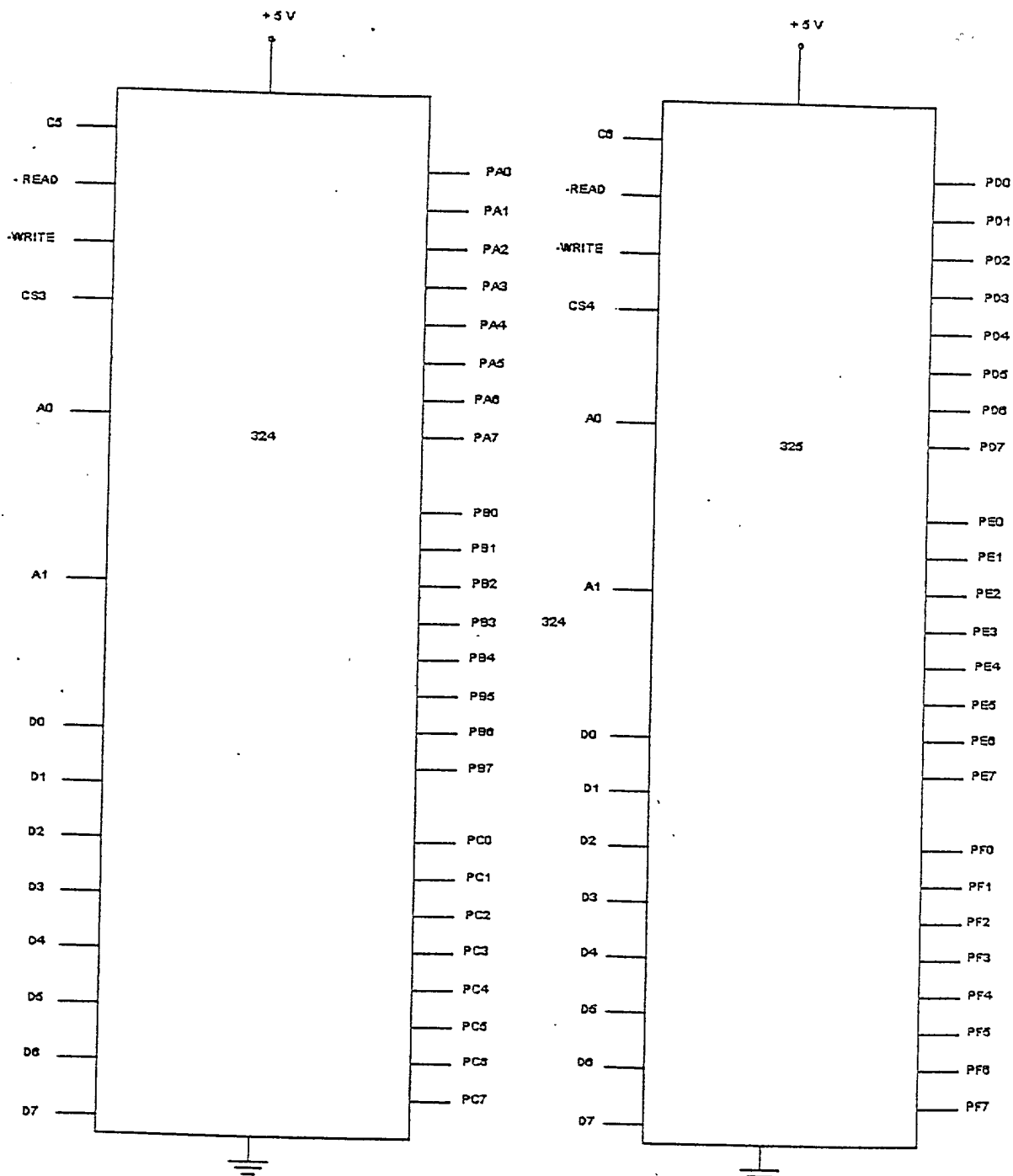


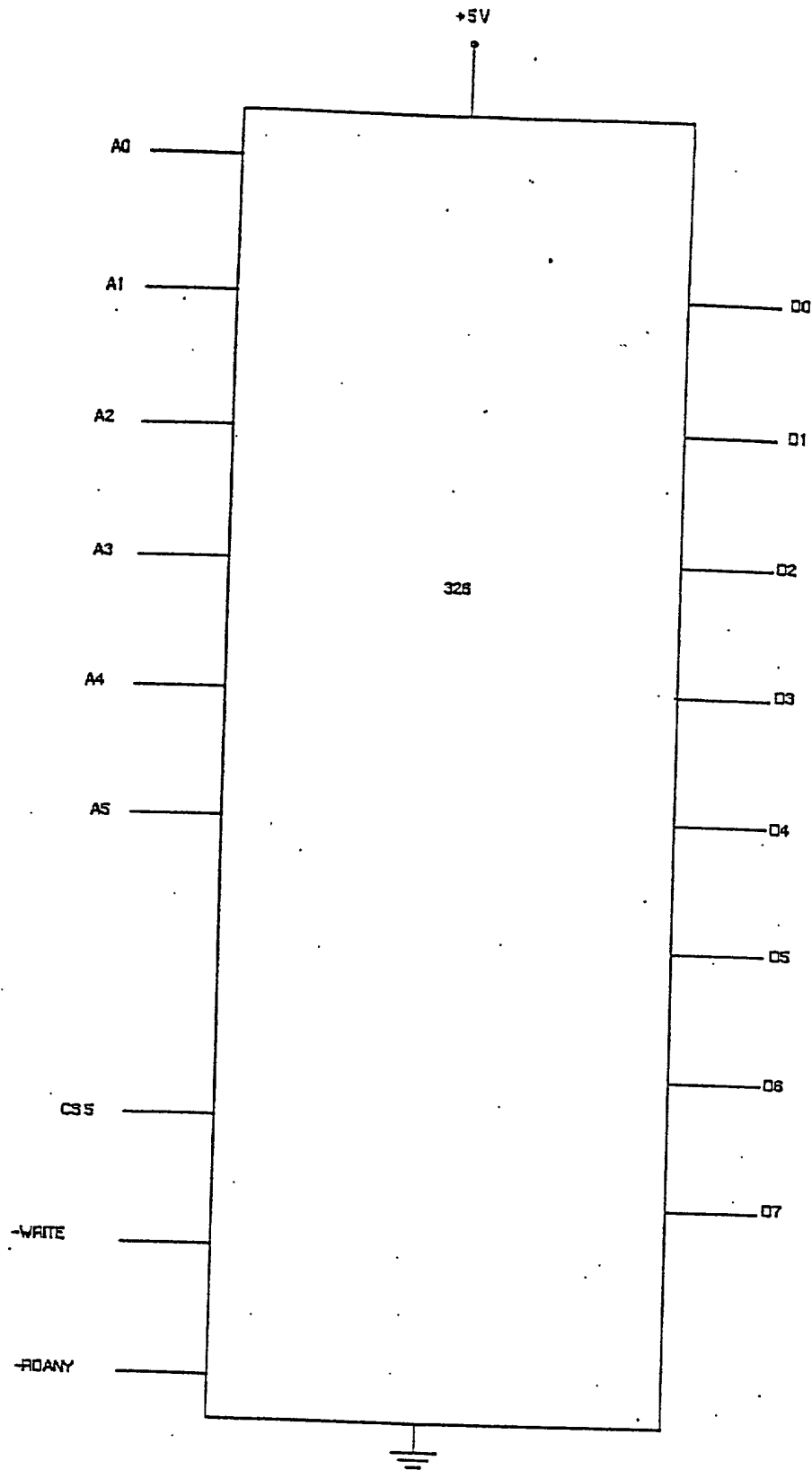
FIGURE 18



324 - 82C55

325 - 82C55

Figure 17



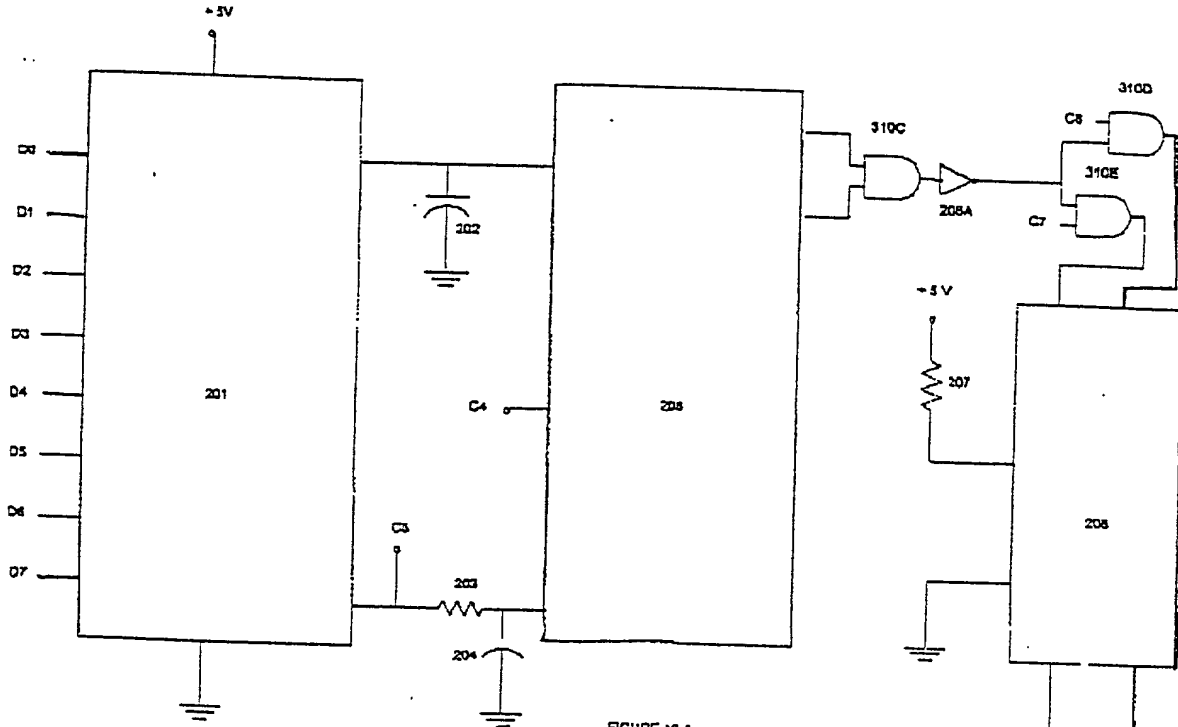


FIGURE 19 A

- 201 - 74HC155
- 202 - 390 uF
- 203 - 220
- 204 - 390 pF
- 205 - DS1820
- 206 - 74HC704
- 207 - 330
- 208 - L2950
- 209 - M1015T
- 210 - 6 V DC
- 211 - FUSE
- 212 - 2N2573
- 213 - 0.1 uF
- 214 - 10
- 215 - 220
- 216 - 1N9232
- 217 - 100uF
- 218 - 0.1 uF
- 219 - MAX735
- 220 - 100uH
- 221 - 1N5817
- 222 - 0.01 uF
- 223 - 0.01 uF
- 224 - 470 uF

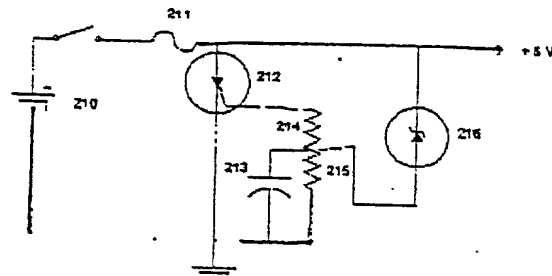


FIGURE 19 B

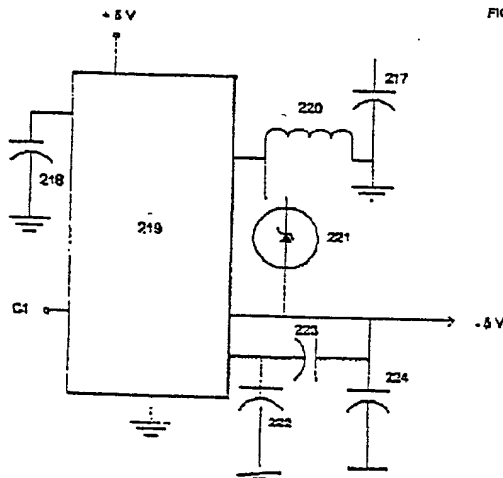
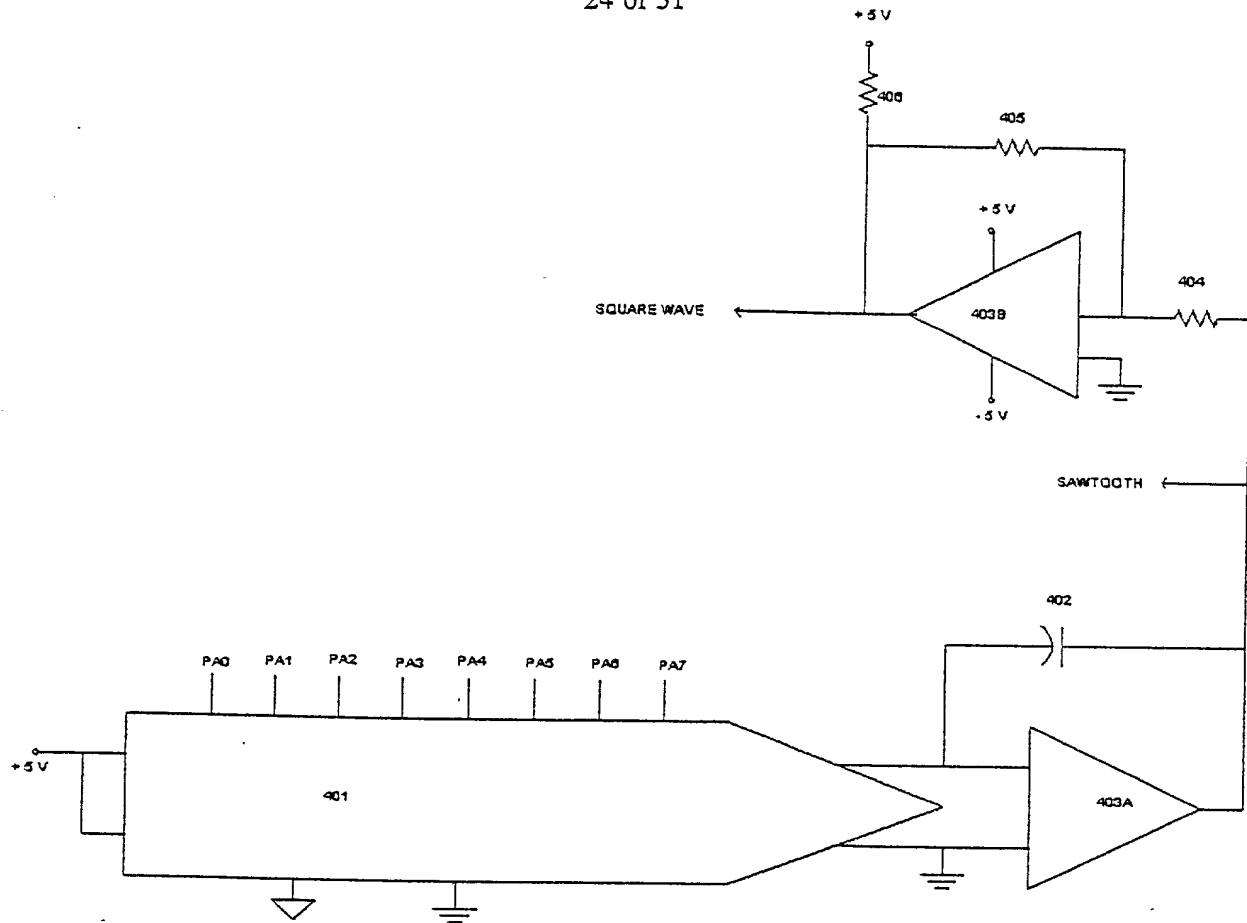


Figure 19 C

Appl. No.: 09/769,727

24 of 31



401 - DAC0832
402 - 1.0 uF
403 - LM392
404 - 100K
405 - 300K
406 - 2K

Figure 20

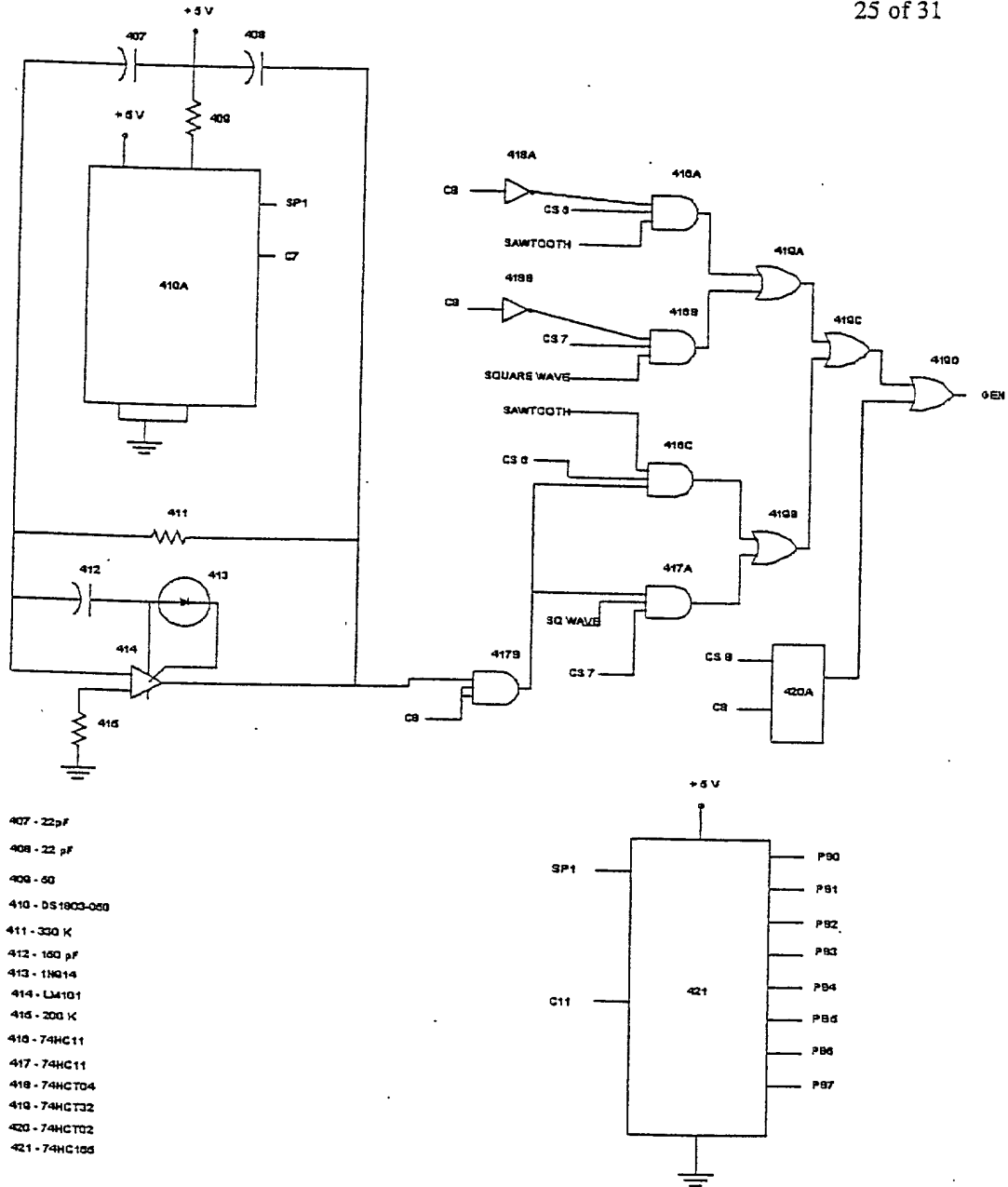


FIGURE 21

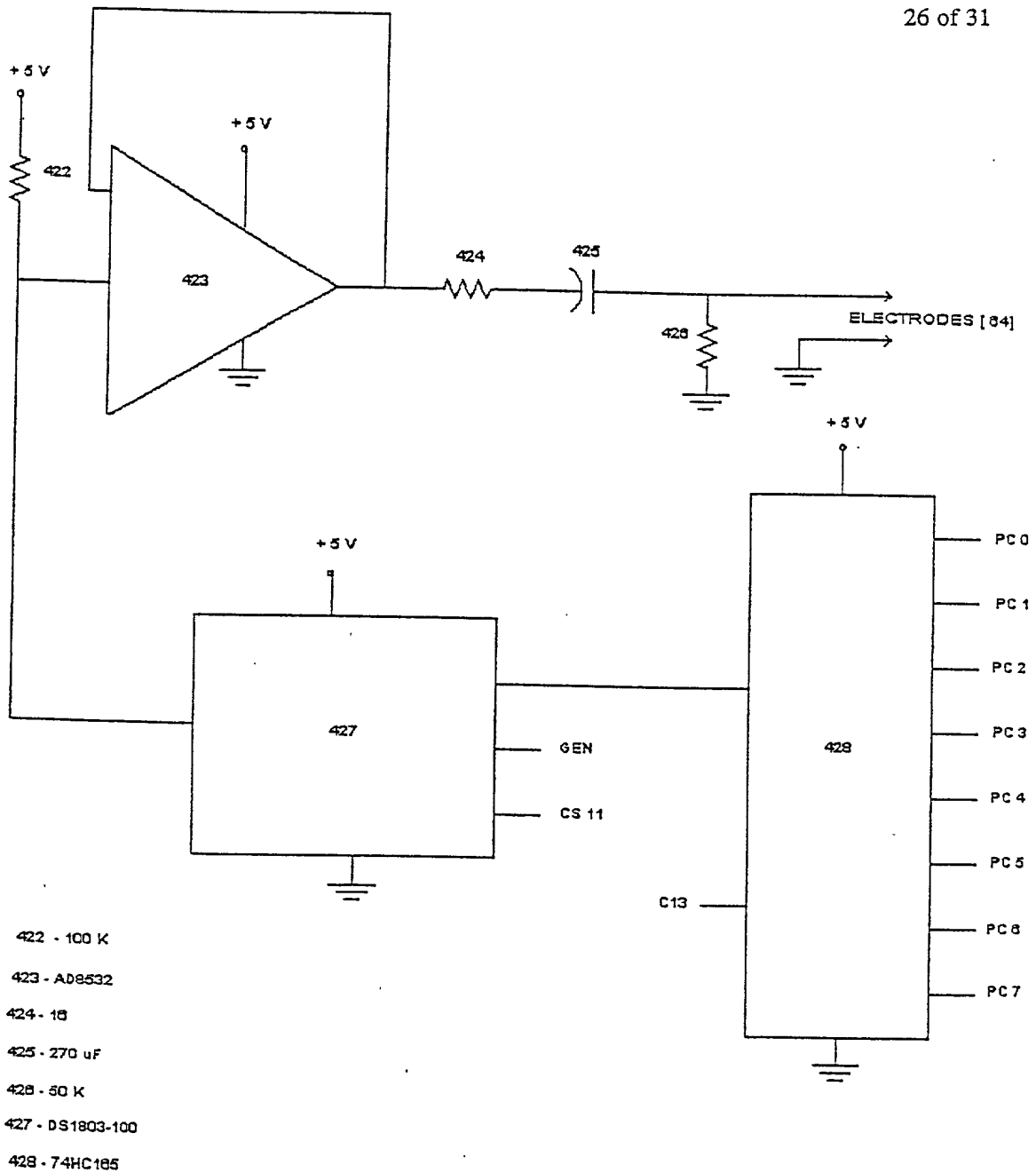
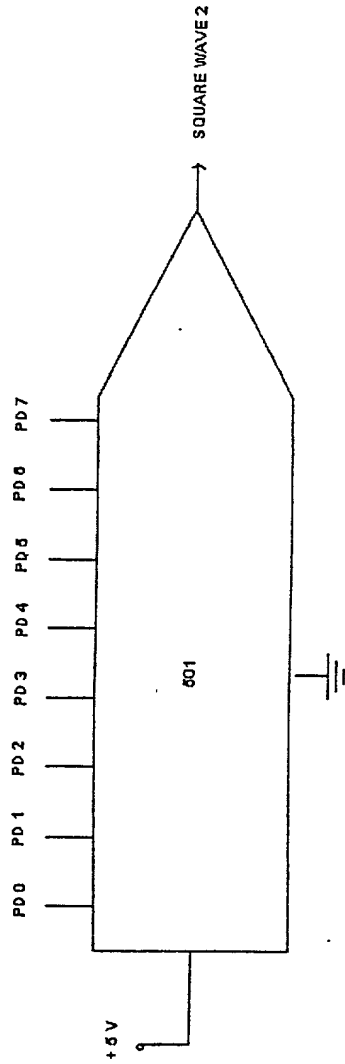


FIGURE 22



501 - DAC0832

FIGURE 23

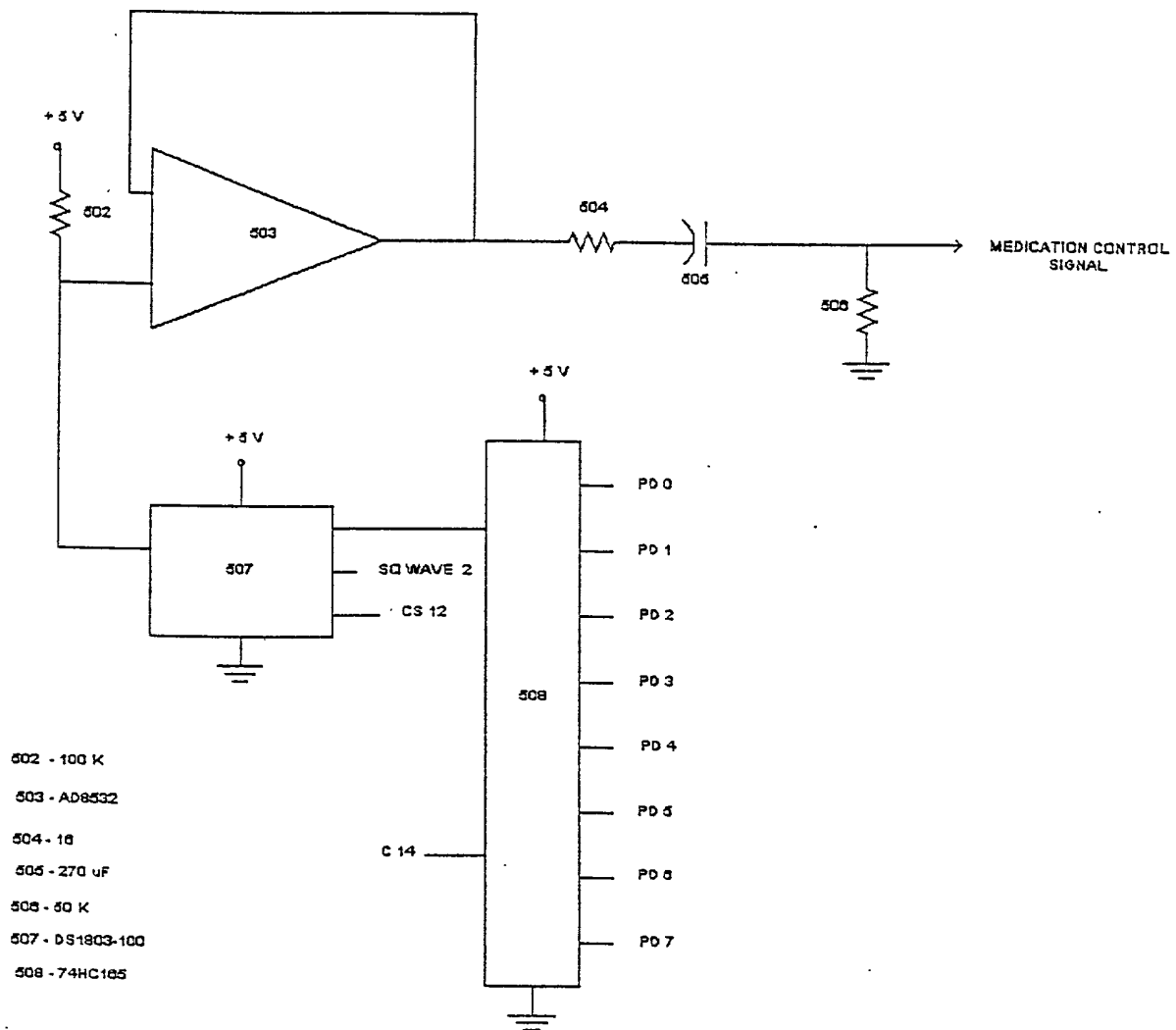


FIGURE 24

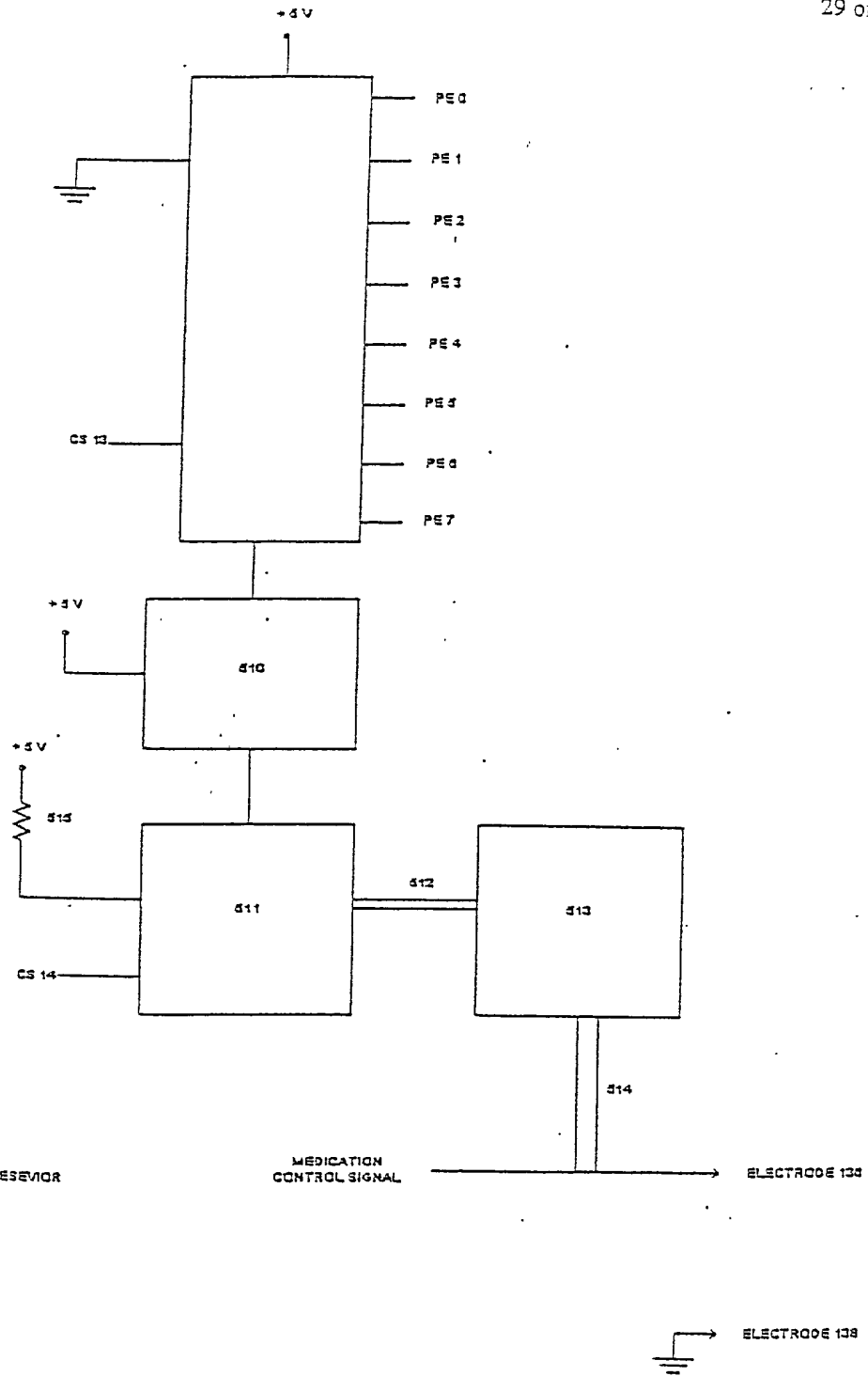


FIGURE 25

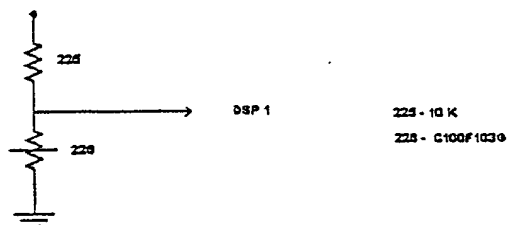


FIGURE 28 A

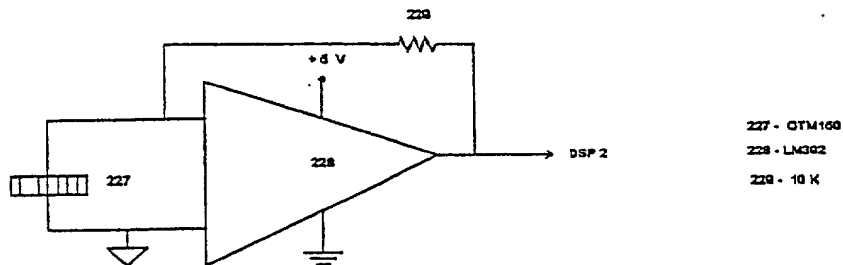


FIGURE 28 B

230 - QM4830
 231 - 2.2 K
 232 - 10 uF
 233 - 10 K
 234 - LM387
 235 - 10 K
 236 - 10 K

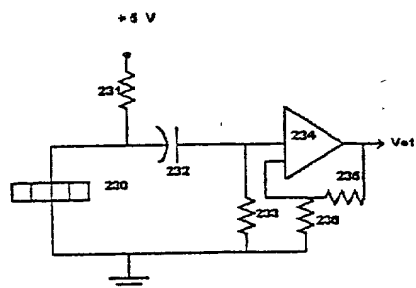


FIGURE 28 C

237 - 10 K
 238 - 100 K
 239 - 10 K
 240 - 100 K
 241 - LMF100

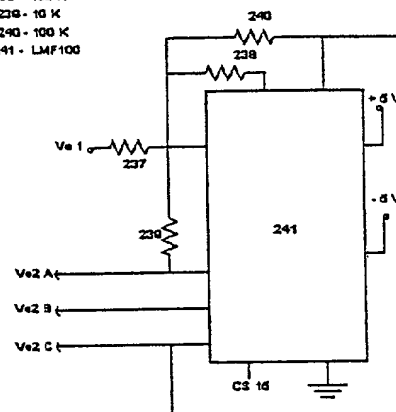


FIGURE 28 D

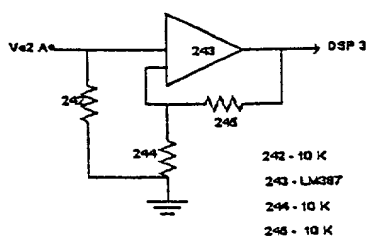


FIGURE 28 E

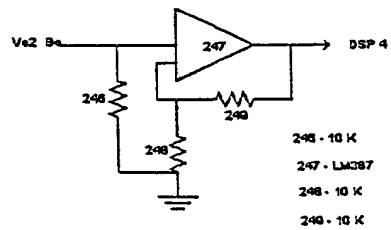


FIGURE 28 F

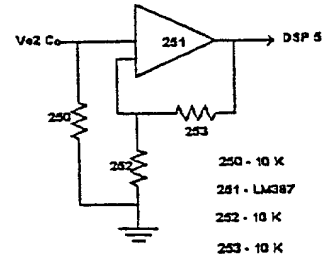


FIGURE 28 G

Appl. No.: 09/769,727

31 of 31 ~

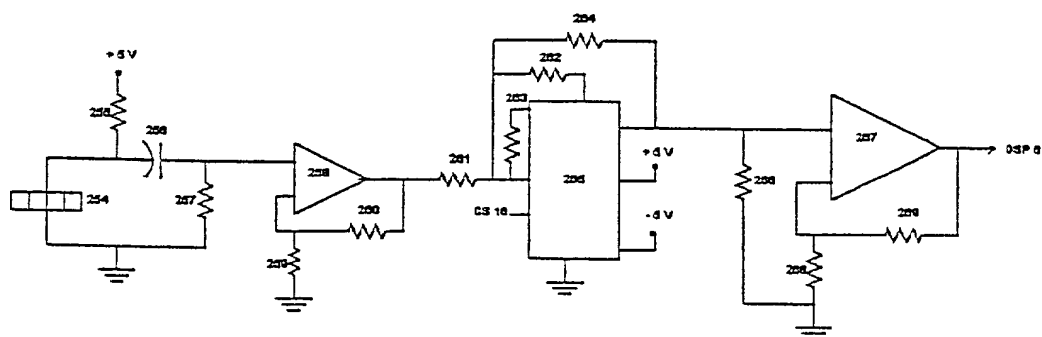


FIGURE 27 A

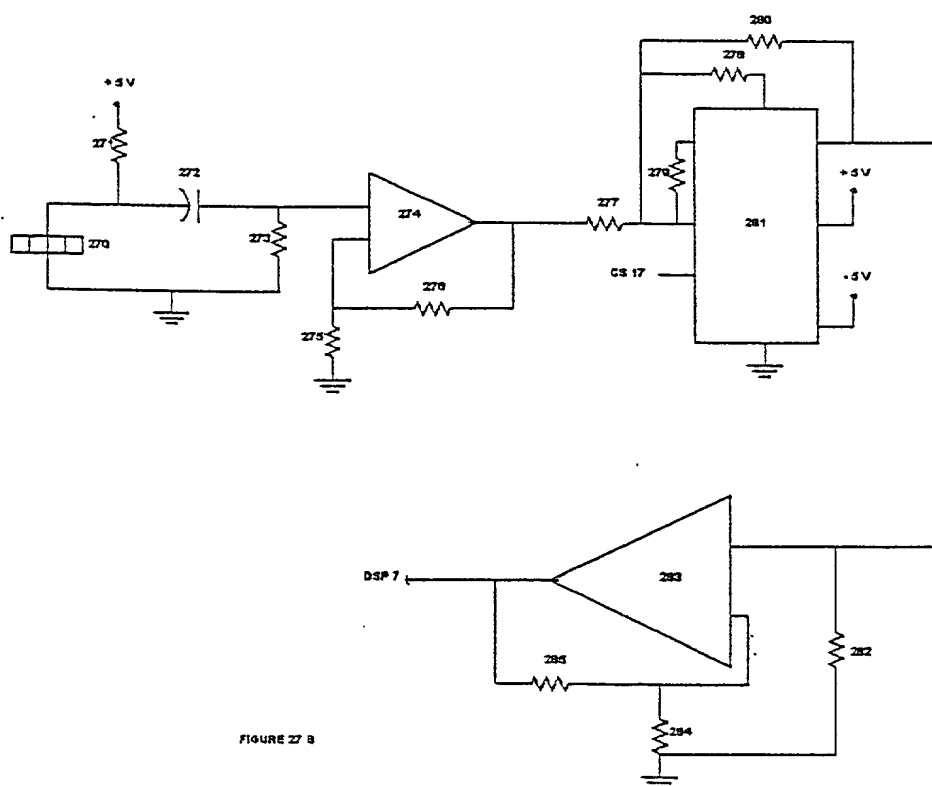


FIGURE 27 B